

ABSTRACT OF THE DISCLOSURE

A one-piece hollow retroreflector is formed in a cylindrical body of lead or another malleable material in a punch press operation. A punch having a cube corner configuration is used to form a reflecting chamber having three mutually orthogonal surfaces into the cylinder. The reflecting chamber can be formed using a rough punch, and then a finish punch. The finish punch would produce the reflective surfaces of the three walls of the chamber. The chamber walls can be coated with a protective coating to help prevent corrosion of the surfaces. After the reflecting chamber has been formed and finished, the body of the retroreflector can be machined to remove the displaced material and otherwise form the outer surfaces of the body to a desired shape.